THE AMERICAN JOURNAL OF ROENTGENOLOGY AND RADIUM THERAPY

[FOUNDED IN 1906 AS THE AMERICAN QUARTERLY OF ROENTGENOLOGY]

EDITED BY ARTHUR C. CHRISTIE, M.D.

VOLUME XVI

1926

JULY TO DECEMBER

PAUL B. HOEBER, INC., PUBLISHERS
NEW YORK MCMXXVI

COPYRIGHT, 1926
BY PAUL B. HOEBER, INC.

med.
Direct

CONTENTS OF VOLUME XVI

ORIGINAL ARTICLES

Colon Studies. III. The Clinical Significance of Ileal Stasis: Its Association with Colitis	*John L. Kantor, M.D.*	1
The Etiology and Treatment of Chronic Ulcerative Colitis	*J. Arnold Bargen, M.D.*	10
The Roentgenologic Findings in Ulcerative Colitis	*Russell D. Carman, M.D.* *Alexander B. Moore, M.D.*	17
Freiberg's Infraction of the Metatarsal Head	*Keith T. Meyer, M.D.*	20
The Roentgen-Ray Treatment of Keloid	*G. W. Grier, M.D.*	22
The Measurement of Roentgen-Ray Quality by Means of the Photographic Determination of the Half Value Layer	*Wm. H. Meyer, M.D.*	26
The Significance of the Histological "Malignancy Index" for Prognosis and Treatment of Carcinomata of the Cervix Uteri	*Henry Schmitz, M.D.* *Wilhelm Hueper, M.D.* *Lloyd Arnold, M.D.*	30
The Influence of Back-scattering upon the Surface Dose in Roentgen-Ray Therapy	*Otto Glasser, Ph.D.* *George S. Reitter, M.D.*	43
A Simple Device for Measuring Target-film Distance	*Paul A. Bishop, M.D.*	63
The Duodenal Niche	*Russell D. Carman, M.D.* *Charles G. Sutherland, M.B. (Tor.)*	101
Unusual Manifestations of Lymphoblastoma	*George W. Holmes, M.D.*	107
Traumatic Lesions of the Spine	*William B. Bowman, M.D.* *Lowell S. Goin, M.D.*	111
The Correlation of the Roentgenographic Evidence with the Clinical and Pathological Facts in Acute Osteomyelitis	*Abraham O. Wilensky, M.D.*	123
Experimental Studies on the Biological Action of Hard Roentgen Rays	*Masao Tsuzuki, M.D.*	134
Experimental Studies on the Combined Effects of Roentgen Rays and Ultraviolet Rays	*George E. Pfahler, M.D.* *Joseph V. Klauder, M.D.* *James L. Martin, M.D.*	150
The Use of Intravenous Injections of Radium Chloride in Some of the Malignant Lymphomata	*Rollin H. Stevens, M.D.*	155
Leucopenic Anemia of the Regenerative Type Due to Exposure to Radium and Mesothorium	*George S. Reitter, M.D.* *Harrison S. Martland, M.D.*	161
Intermittent Vesical Retention	*William H. Stewart, M.D.*	168
Four Years' Experience in the Treatment of Tumors of the Bladder by Deep Roentgen Therapy	*Charles A. Waters, M.D.*	203
The Effect of Irradiation on the Ureter	*Chas. L. Martin, M.D.* *Fred T. Rogers, Ph.D.*	215
The Treatment of Epithelial Tumors of the Bladder	*Curtis F. Burnam, M.D.* *William Neill, Jr., M.D.*	219

Radium in the Treatment of Fibroids of the Uterus, Its Indications and Limitations	*C. Jeff Miller, M.D.*	228
The Reliability of Cholecystography by the Oral Method as Shown by an Analysis of One Hundred Consecutive Cases	*William H. Stewart, M.D.* *Eric J. Ryan, M.D.*	234
The Relative Value of Cholecystography and the So-called Direct and Indirect Methods of Roentgenologic Examination of the Gallbladder	*James T. Case, M.D., F.A.C.S.*	238
Uterotubal Roentgenography with Lipiodol	*I. C. Rubin, M.D.* *A. J. Bendick, M.D.*	251
Complete Roentgenological Study of the Head	*M. J. Kern, M.D.*	264
The Roentgenological Diagnosis of Liver Abscess with or without Subdiaphragmatic Abscess	*Henry K. Pancoast, M.D.*	303
Roentgenography of the Cavity of the Uterus and Fallopian Tubes, with Special Reference to Its Value in Cases of Sterility	*Robert L. McCready, M.D.* *Eric J. Ryan, M.D.*	321
The Sella Turcica	*Arthur Schüller, M.D.*	336
Radium Necrosis of Bone	*D. B. Phemister, M.D.*	340
Studies on the Effect of Roentgen Rays on Glandular Activity. V. The Effect of Roentgen Rays on External Pancreatic Secretion	*B. H. Orndoff, M.D.* *J. I. Farrell, M.D.* *A. C. Ivy, M.D.*	349
The Rôle of Roentgenology in Medical Education	*T. Wingate Todd, M.B., Ch.B. (Manc.), F.R.C.S. (Eng.)*	355
Present Problems in Deep Roentgen-Ray Therapy	*Robert E. Fricke, M.D.*	359
Right-Oblique-Prone Posture for Study of the Esophagus	*Willis F. Manges, M.D.*	374
Adjustable Diaphragms for Tube Stand	*Robert B. Taft, M.D.*	375
Osteopetrosis	*Rolla G. Karsbner, M.D.*	405
Technique for Roentgenological Study of the Colon	*W. O. Upson, M.D.*	419
Observations on Some Unusual Cases of Joint Tuberculosis	*C. W. Blackett, M.D.*	427
Pathology of Breast Cancer with Special Reference to Metastasis	*Burton T. Simpson, M.D.*	431
Carcinoma of the Breast	*Robert B. Greenough, M.D.*	439
The Reaction of the Pleura and Lungs to Roentgen Rays	*Arthur U. Desjardins, M.D.*	444
Sweet Improved Eye Localizer Chart: How to Avoid Possible Misinterpretation	*F. B. Stephenson, M.D.*	470
Water Supply for the Photographic Dark Room	*David R. Bowen, M.D.*	472
Concerning Leaded Rubber Aprons	*David R. Bowen, M.D.*	473
The Development of Filtered Radon Implants	*G. Failla, D.Sc.*	507
New Research in the Etiology of Cancer, with Reference to the Work of Gye	*M. J. Sittenfield, M.D.*	525
The Present Status of Our Knowledge of the Effect of Irradiation Upon the Generative Organs and the Offspring	*Halsey J. Bagg, Ph.D.*	529

Comparison of the Effects of Unfiltered and Filtered Radon Tubes Buried in Rabbit Muscle . . . . . *Max Cutler, M.D.* 535
An Attempt to Appraise the Roentgenological Method of Diagnosis of Pulmonary Tuberculosis . . . . . *Frank S. Bissell, M.D.* 544
Resolution in Pneumonic Consolidations . . *R. G. Allison, M.D.* 549
Diseases of the Chest Demonstrated by Lipiodol *A. Howard Pirie, M.D.* 553
The Measurement of the Liver by Means of Roentgen Rays Based upon a Study of 502 Subjects . . . . . *G. E. Pfahler, M.D.* 558
Metastasis in Carcinoma of the Prostate, with Report of a Case Showing Early and Late Changes . . . . . *John Sproull, M.D.* 565